

and other class IC drugs (such as flecainide) have greater potential for triggering sustained ventricular tachycardia compared to IA or IB drugs. Propafenone in particular has 5-10% overall incidence of proarrhythmia^{3,4} and is prone to causing proarrhythmic effects in patients with underlying structural heart disease by slowing conduction and creating unfavourable imbalance between conduction and refractoriness.⁵ Propafenone is considered to be among first-line treatments for conversion of recent onset atrial fibrillation but is contraindicated in patients with congestive heart failure, severe systolic dysfunction, sinoatrial / atrioventricular / intraventricular disorders of impulse conduction or sinus node dysfunction, patients with unstable angina, a recent or acute myocardial infarction.⁶ Caution should be taken for all these conditions to avoid incessant ventricular tachycardia, dramatic decrease in cardiac output and circulatory arrest.

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Cardiology News /Recent Literature Review

Sofia Metaxa, MD, Spyridon Koulouris, MD, Antonis S. Manolis, MD

The **ESC** Annual Congress is slated for 27-31/8/2011 in Paris

The **TCT** Annual Conference will be held in San Francisco 7-11/11/2011

The **AHA** Annual Scientific Sessions are scheduled for 12-16/11/2011 in Orlando

The **Athens Cardiology Update 2012** is slated for April 5-7, 2012

Reverse remodeling in cardiac resynchronization therapy reduces the risk of ventricular tachyarrhythmias in the MADIT-CRT trial

The risk for ventricular tachyarrhythmias (VTA) (including ventricular tachycardia, ventricular fibrillation and ventricular flutter) was assessed in patients receiving cardiac resynchronization defibrillator therapy (CRT-D) or cardioverter-defibrillator therapy (ICD) according to echocardiographic findings during 1-year follow-up. It was found that high responders to CRT-D (defined as $\geq 25\%$ reduction in left ventricular end-systolic volume) experience a significant 55% reduction in the risk of VTA compared with ICD only patients ($p < 0.001$), whereas the risk of VTA was not significantly different between low responders and ICD-only patients ($p = 0.21$). (Barsheshet A et al, *J Am Coll Cardiol* 2011; 57: 2416-2423)

High-dose atorvastatin does not prevent development of atrial fibrillation in patients with prior stroke or transient ischemic attack in the SPARCL trial

Statins are included as upstream therapy for prevention of new-onset of atrial fibrillation (AF) in the 2010 guidelines for the management of AF. The SPARCL trial tested the hypothesis that long-term treatment with high-dose atorvastatin (80 mg) reduces the occurrence of AF in 4731 patients with prior stroke or transient ischemic attack who were followed up for a median of 4.8 years (patients with prior paroxysmal AF were excluded from the trial). It was concluded that the time from randomization to first occurrence of new AF did not differ between atorvastatin (139 cases of new AF) and placebo (122 cases) group (hazard ratio 1.15, 95% CI 0.90-1.46, $P = 0.26$). (Schwartz GG et al, *Am Heart J* 2011; 161: 993-999)

Frequent ventricular pauses in patients receiving ticagrelor in the acute phase of acute coronary syndromes, according to a sub-analysis of the PLATO study

A prospective continuous electrocardiographic assessment was performed within the PLATO study comparing ticagrelor and clopidogrel in 2908 patients hospitalized with acute coronary syndromes. During the first week, ventricular pauses (≥ 3 sec) occurred more frequently in patients receiving ticagrelor (relative risk 1.61, $p = 0.006$) but at 1 month pauses occurred less frequently and treatments were similar between groups. It is suggested that there are no apparent clinical consequences related to the excess in ventricular pauses in patients assigned to ticagrelor while the incidence of clinical adverse events (including syncope, pacemaker placement and cardiac arrest) was no different (Scirica BM et al, *J Am Coll Cardiol* 2011; 57: 1908-1916).